Author Index

Aoki, S. and Houtgast, T.
A precedence effect in the perception of inter-aural cross correlation (59) 25
Avan, P., Loth, D., Menguy, C. and Teyssou, M.
Hypothetical roles of middle ear muscles in the guinea-pig (59) 59

Bean-Knudsen, D., see McGinn, M.D. (59) 1
Blanke, L., see Hoormann, J. (59) 179
Botta, L., see Zucca, G. (59) 70
Brown, C.H., see Sinnott, J.M. (59) 205
Brown, F.E., see Sinnott, J.M. (59) 205
Brown, M., Shepherd, R.K., Webster, W.R., Martin, R.L. and Clark, G.M.
Cochleotopic selectivity of a multichannel scala tympani electrode array using the 2-deoxyglucose technique (59) 224

Cheatham, M.A. and Dallos, P.
Physiological correlates of off-frequency listening (59) 39
Chen, J., see Wang, J. (59) 31
Church, M.W., see Overbeck, G.W. (59) 129
Clark, G.M., see Brown, M. (59) 224
Corwin, J.T., see Kelley, M.W. (59) 108
Czaja, J.M., see Kaltenbach, J.A. (59) 213

Dallos, P., see Cheatham, M.A. (59) 39
Dechesne, C.J., Kim, H.N., Nowak Jr, T.S. and Wenthold, R.J.
Expression of heat shock protein, HSP72, in the guinea pig and rat cochlea after hyperthermia: Immunochemical and in situ hybridization analysis (59) 195
Dimitri, P.S., see Szymko, Y.M. (59) 241
Dong, W., see Wang, J. (59) 31

Ermel, R.W., see McGinn, M.D. (59) 1

Falkenstein, M., see Hoormann, J. (59) 179
Fay, R.R.
Analytic listening by the goldfish (59) 101
Feldman, M.L., see Keithley, E.M. (59) 171
Fukazawa, T.
Evoked otoacoustic emissions in a nonlinear model of the cochlea (59) 17

Greenwood, D.D.
Erratum and Comments re: Critical bandwidth and consonance: Their operational definitions in relation to cochlear nonlinearity and combination tones (Hear. Res. 54, 209–246, 1991) (59) 121

Hara, A., Senarita, M., Komeno, M. and Kusakari, J.
Metallic elements in the perilymph measured with an inductively-coupled plasma atomic emission spectrometer (59) 117
Hashino, E., Tanaka, Y., Salvi, R.J. and Sokabe, M.
Hair cell regeneration in the adult budgerigar after kanamycin ototoxicity (59) 46
Hohnsbein, J., see Hoormann, J. (59) 179
Hoormann, J., Falkenstein, M., Hohnsbein, J. and Blanke, L.
The human frequency-following response (FFR): Normal variability and relation to the click-evoked brainstem response (59) 179
Houtgast, T., see Aoki, S. (59) 25

Kaltenbach, J.A., Czaja, J.M. and Kaplan, C.R.
Changes in the tonotopic map of the dorsal cochlear nucleus following induction of cochlear lesions by exposure to intense sound (59) 213
Kaplan, C.R., see Kaltenbach, J.A. (59) 213
Keithley, E.M., Ryan, A.F. and Feldman, M.L.
Cochlear degeneration in aged rats of four strains (59) 171
Kelley, M.W., Ochiai, C.K. and Corwin, J.T.
Maturation of kinocilia in amphibian hair cells: Growth and shortening related to kinociliary bulb formation (59) 108
Kim, H.N., see Dechesne, C.J. (59) 195
Komeno, M., see Hara, A. (59) 117
Kumamoto, K., see Tachibana, M. (59) 14
Kusakari, J., see Hara, A. (59) 117

Li, Q., see Wang, J. (59) 31
Loth, D., see Avan, P. (59) 59

Martin, R.L., see Brown, M. (59) 224
McGinn, M.D., Bean-Knudsen, D. and Ermel, R.W.
Incidence of otitis media in CBA/J and CBA/CaJ mice (59) 1
M.E., , see Zucca, G. (59) 70
Menguy, C., see Avan, P. (59) 59
Morton, J.I., see Wong, M.L. (59) 93

Niedzielski, A.S., Ono, T. and Schacht, J.
Cholinergic regulation of the phosphoinositide second messenger system in the guinea pig organ of Corti (59) 250
Nilaver, G., see Wong, M.L. (59) 93
Nomoto, M.
Enhancement and suppression in the auditory midbrain nucleus (MLD) of the pigeon (59) 7
Nowak Jr, T.S., see Dechesne, C.J. (59) 195

Ochiai, C.K., see Kelley, M.W. (59) 108
Ono, T., see Niedzielski, A.S. (59) 250
Overbeck, G.W. and Church, M.W.
Effects of tone burst frequency and intensity on the auditory brainstem response (ABR) from albino and pigmented rats (59) 129

Pérez, , see Zucca, G. (59) 70
Prijs, V.F., see Versnel, H. (59) 138
Prijs, V.F., see Versnel, H. (59) 157

Ryan, A.F., see Keithley, E.M. (59) 171
Rybak, L.P., Whitworth, C. and Scott, V.
Development of endocochlear potential and compound action potential in the rat (59) 189
Rybak, L.P., Whitworth, C., Weberg, A. and Scott, V.
Effects of organic acids on the edema of the stria vascularis induced by furosemide (59) 75

Salvi, R.J., see Hashino, E. (59) 46
Saunders, J.C., see Szymko, Y.M. (59) 241
Schacht, J., see Niedzielski, A.S. (59) 250
Schoonhoven, R., see Versnel, H. (59) 138
Schoonhoven, R., see Versnel, H. (59) 157
Scott, V., see Rybak, L.P. (59) 189
Scott, V., see Rybak, L.P. (59) 75
Senarita, M., see Hara, A. (59) 117
Senuma, H., see Tachibana, M. (59) 14
Shepherd, R.K., see Brown, M. (59) 224
Siegel, J.H.
Spontaneous synaptic potentials from afferent terminals in the guinea pig cochlea (59) 85
Sinnott, J.M., Brown, C.H. and Brown, F.E.
Frequency and intensity discrimination in Mongolian gerbils, African monkeys and humans (59) 205
Sokabe, M., see Hashino, E. (59) 46
Soto, E., see Zucca, G. (59) 70
Szymko, Y.M., Dimitri, P.S. and Saunders, J.C.
Stiffness of hair bundles in the chick cochlea (59) 241

Tachibana, M., Senuma, H. and Kumamoto, K.
Enkephalin-like immunoreactivity in cochlear efferents in the bat, *Rhinolophus ferrumequinn* (59) 14
Tanaka, Y., see Hashino, E. (59) 46
Teyssou, M., see Avan, P. (59) 59
Trune, D.R., see Wong, M.L. (59) 93

Valli, P., see Zucca, G. (59) 70
Vega, R., see Zucca, G. (59) 70
Versnel, H., Prijs, V.F. and Schoonhoven, R.
Round-window recorded potential of single-fibre discharge (unit response) in normal and noise-damaged cochleas (59) 157
Versnel, H., Schoonhoven, R. and Prijs, V.F.
Single-fibre and whole-nerve responses to clicks as a function of sound intensity in the guinea pig (59) 138

Wang, J., Li, Q., Dong, W. and Chen, J.
Effects of various noise exposures on endocochlear potentials correlated with cochlear gross responses (59) 31
Weberg, A., see Rybak, L.P. (59) 75
Webster, W.R., see Brown, M. (59) 224
Wenthold, R.J., see Dechesne, C.J. (59) 195
Whitworth, C., see Rybak, L.P. (59) 189
Whitworth, C., see Rybak, L.P. (59) 75
Wong, M.L., Young, J.S., Nilaver, G., Morton, J.I. and Trune, D.R.
Cochlear IgG in the C3H/*lpr* autoimmune strain mouse (59) 93

Young, J.S., see Wong, M.L. (59) 93

Zucca, G., M.E., , Pérez, , Botta, L., Vega, R., Valli, P. and Soto, E.
Streptomycin blocks the afferent synapse of the isolated semicircular canals of the frog (59) 70

Subject Index

Acoustic reflex
Middle ear; Stapedius muscle; Guinea pig; Rabbit; Cochlear microphonics; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Ageing
Auditory threshold; Labyrinthitis; *Pasteurella pneumotropica*; Tetracycline (McGinn, M.D. (59) 1)

Aging
Presbyacusis; Cochlea; Melanin; Albino (Keithley, E.M. (59) 171)

Albino
Aging; Presbyacusis; Cochlea; Melanin (Keithley, E.M. (59) 171)

Albino rats
Auditory brainstem response; Brainstem auditory evoked potential; Pigmented rats; Stimulus frequency; Stimulus intensity; Strain differences (Overbeck, G.W. (59) 129)

Aminoglycoside
Vestibular system; Streptomycin; Hair cell; Inner ear; Glutamate receptor; Excitatory amino acid (Zucca, G. (59) 70)

Analytic listening
Hearing; Goldfish; Frequency analysis; Psychophysics (Fay, R.R. (59) 101)

Auditory brainstem response
Albino rats; Brainstem auditory evoked potential; Pigmented rats; Stimulus frequency; Stimulus intensity; Strain differences (Overbeck, G.W. (59) 129)

Auditory evoked potential
Auditory spike response; Enhancement; Suppression; Nucleus mesencephalicus lateralis pars dorsalis; Auditory nervous system; Pigeon (Nomoto, M. (59) 7)

Auditory nervous system
Auditory evoked potential; Auditory spike response; Enhancement; Suppression; Nucleus mesencephalicus lateralis pars dorsalis; Pigeon (Nomoto, M. (59) 7)

Auditory spike response
Auditory evoked potential; Enhancement; Suppression; Nucleus mesencephalicus lateralis pars dorsalis; Auditory nervous system; Pigeon (Nomoto, M. (59) 7)

Auditory threshold
Ageing; Labyrinthitis; *Pasteurella pneumotropica*; Tetracycline (McGinn, M.D. (59) 1)

Autoimmune disease
Mouse; Inner ear; Immunoglobulin G; *lpr* gene (Wong, M.L. (59) 93)

Avian
Stiffness; Hair bundles; Water jet (Szymko, Y.M. (59) 241)

Bat
Rhinolophus ferrumequinn; Methionine-enkephalin; Immunohistochemistry (Tachibana, M. (59) 14)

Binaural processing
Precedence effect; Localization; Lateralization; Diffuseness/compactness (Aoki, S. (59) 25)

Brainstem auditory evoked potential
Albino rats; Auditory brainstem response; Pigmented rats; Stimulus frequency; Stimulus intensity; Strain differences (Overbeck, G.W. (59) 129)

Brainstem evoked response
Frequency-following response; Normative values; Frequency function; Frequency contents (Hoormann, J. (59) 179)

Budgerigar
Hair cell regeneration; Kanamycin; Ototoxicity; Hearing loss (Hashino, E. (59) 46)

Cation
Inductively-coupled plasma atomic emission spectrometry; Perilymph (Hara, A. (59) 117)

Cilia
Microtubules; Development; Polarity; Transduction (Kelley, M.W. (59) 108)

Click
Poststimulus time histogram; Intensity; Compound action potential; Convolution; Guinea Pig (Versnel, H. (59) 138)

Cochlea
Hair cell; Nonlinearity; Off-frequency listening; Two-tone suppression (Cheatham, M.A. (59) 39)

Critical bandwidth; Masking; Combination tones; Notched-noise (Greenwood, D.D. (59) 121)

Aging; Presbyacusis; Melanin; Albino (Keithley, E.M. (59) 171)

HSP72; Hyperthermia; Immunoblotting; Immunocytochemistry; In situ hybridization; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Efferents; Inositol; Muscarinic receptor; Outer hair cell; Second messengers (Niedzielski, A.S. (59) 250)

Cochlear development
Endocochlear potential; Compound action potential; Rat; Stria vascularis (Rybak, L.P. (59) 189)

Cochlear microphonics
Middle ear; Acoustic reflex; Stapedius muscle; Guinea pig; Rabbit; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Cochlear model
Otoacoustic emissions; Computer simulation (Fukazawa, T. (59) 17)

Cochlear nucleus
Tonotopic maps; Plasticity; Reorganization (Kaltenbach, J.A. (59) 213)

Cochlear prostheses; 2-Deoxyglucose; Electrical stimulation; Inferior colliculus (Brown, M. (59) 224)

Cochlear prostheses
2-Deoxyglucose; Electrical stimulation; Cochlear nucleus; Inferior colliculus (Brown, M. (59) 224)

Combination tones
Critical bandwidth; Masking; Cochlea; Notched-noise (Greenwood, D.D. (59) 121)

Comparative
Frequency DLs; Intensity DLs; Gerbil; Monkey; Human (Sinnott, J.M. (59) 205)

Compound action potential
Poststimulus time histogram; Intensity; Click; Convolution; Guinea Pig (Versnel, H. (59) 138)

Endocochlear potential; Cochlear development; Rat; Stria vascularis (Rybak, L.P. (59) 189)

Computer simulation
Otoacoustic emissions; Cochlear model (Fukazawa, T. (59) 17)

Convolution
Poststimulus time histogram; Intensity; Click; Compound action potential; Guinea Pig (Versnel, H. (59) 138)

Critical bandwidth
Masking; Cochlea; Combination tones; Notched-noise (Greenwood, D.D. (59) 121)

2-Deoxyglucose
Cochlear prostheses; Electrical stimulation; Cochlear nucleus; Inferior colliculus (Brown, M. (59) 224)

Development
Cilia; Microtubules; Polarity; Transduction (Kelley, M.W. (59) 108)

Diffuseness/compactness
Precedence effect; Localization; Lateralization; Binaural processing (Aoki, S. (59) 25)

Efferents
Cochlea; Inositol; Muscarinic receptor; Outer hair cell; Second messengers (Niedzielski, A.S. (59) 250)

Electrical stimulation
Cochlear prostheses; 2-Deoxyglucose; Cochlear nucleus; Inferior colliculus (Brown, M. (59) 224)

Electromyography
Middle ear; Acoustic reflex; Stapedius muscle; Guinea pig; Rabbit; Cochlear microphonics; Impedance audiometry (Avan, P. (59) 59)

Electron microscopy
Stria vascularis; Furosemide; Ototoxicity; Organic acids; Endocochlear potential (Rybak, L.P. (59) 75)

Endocochlear potential
Noise; Gross cochlear potentials; Guinea pig (Wang, J. (59) 31)

Stria vascularis; Electron microscopy; Furosemide; Ototoxicity; Organic acids (Rybak, L.P. (59) 75)

Compound action potential; Cochlear development; Rat; Stria vascularis (Rybak, L.P. (59) 189)

Enhancement
Auditory evoked potential; Auditory spike response; Suppression; Nucleus mesencephalicus lateralis pars dorsalis; Auditory nervous system; Pigeon (Nomoto, M. (59) 7)

Excitatory amino acid
Vestibular system; Streptomycin; Aminoglycoside; Hair cell; Inner ear; Glutamate receptor (Zucca, G. (59) 70)

Frequency analysis
Hearing; Goldfish; Analytic listening; Psychophysics (Fay, R.R. (59) 101)

Frequency contents
Frequency-following response; Normative values; Frequency function; Brainstem evoked response (Hoormann, J. (59) 179)

Frequency DLs
Comparative; Intensity DLs; Gerbil; Monkey; Human (Sinnott, J.M. (59) 205)

Frequency-following response
Normative values; Frequency function; Frequency contents; Brainstem evoked response (Hoormann, J. (59) 179)

Frequency function
Frequency-following response; Normative values; Frequency contents; Brainstem evoked response (Hoormann, J. (59) 179)

Furosemide
Stria vascularis; Electron microscopy; Ototoxicity; Organic acids; Endocochlear potential (Rybak, L.P. (59) 75)

Gerbil
Comparative; Frequency DLs; Intensity DLs; Monkey; Human (Sinnott, J.M. (59) 205)

Glutamate receptor
Vestibular system; Streptomycin; Aminoglycoside; Hair cell; Inner ear; Excitatory amino acid (Zucca, G. (59) 70)

Goldfish
Hearing; Analytic listening; Frequency analysis; Psychophysics (Fay, R.R. (59) 101)

Gross cochlear potentials
Noise; Endocochlear potential; Guinea pig (Wang, J. (59) 31)

Guinea Pig
Noise; Endocochlear potential; Gross cochlear potentials (Wang, J. (59) 31)

Middle ear; Acoustic reflex; Stapedius muscle; Rabbit; Cochlear microphonics; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Poststimulus time histogram; Intensity; Click; Compound action potential; Convolution (Versnel, H. (59) 138)

Unit response; Noise trauma; Single fibre (Versnel, H. (59) 157)

HSP72; Hyperthermia; Cochlea; Immunoblotting; Immunocytochemistry; In situ hybridization; Rat (Dechesne, C.J. (59) 195)

Hair bundles
Stiffness; Avian; Water jet (Szymko, Y.M. (59) 241)

Hair cell
Cochlea; Nonlinearity; Off-frequency listening; Two-tone suppression (Cheatham, M.A. (59) 39)

Vestibular system; Streptomycin; Aminoglycoside; Inner ear; Glutamate receptor; Excitatory amino acid (Zucca, G. (59) 70)

Hair cell regeneration
Kanamycin; Ototoxicity; Budgerigar; Hearing loss (Hashino, E. (59) 46)

Hearing
Goldfish; Analytic listening; Frequency analysis; Psychophysics (Fay, R.R. (59) 101)

Hearing loss
Hair cell regeneration; Kanamycin; Ototoxicity; Budgerigar (Hashino, E. (59) 46)

HSP72
Hyperthermia; Cochlea; Immunoblotting; Immunocytochemistry; In situ hybridization; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Human
Comparative; Frequency DLs; Intensity DLs; Gerbil; Monkey (Sinnott, J.M. (59) 205)

Hyperthermia
HSP72; Cochlea; Immunoblotting; Immunocytochemistry; In situ hybridization; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Immunoblotting
HSP72; Hyperthermia; Cochlea; Immunocytochemistry; In situ hybridization; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Immunocytochemistry
HSP72; Hyperthermia; Cochlea; Immunoblotting; In situ hybridization; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Immunoglobulin G
Autoimmune disease; Mouse; Inner ear; *lpr* gene (Wong, M.L. (59) 93)

Immunohistochemistry
Bat; *Rhinolophus ferrumequinn*; Methionine-enkephalin (Tachibana, M. (59) 14)

Impedance audiometry
Middle ear; Acoustic reflex; Stapedius muscle; Guinea pig; Rabbit; Cochlear microphonics; Electromyography (Avan, P. (59) 59)

Inductively-coupled plasma atomic emission spectrometry
Cation; Perilymph (Hara, A. (59) 117)

Inferior colliculus
Cochlear prostheses; 2-Deoxyglucose; Electrical stimulation; Cochlear nucleus (Brown, M. (59) 224)

Inner ear
Vestibular system; Streptomycin; Aminoglycoside: Hair cell; Glutamate receptor; Excitatory amino acid (Zucca, G. (59) 70)

Autoimmune disease; Mouse; Immunoglobulin G; *lpr* gene (Wong, M.L. (59) 93)

Inner hair cell
Synaptic transmission; Spontaneous activity (Siegel, J.H. (59) 85)

Inositol
Cochlea; Efferents; Muscarinic receptor; Outer hair cell; Second messengers (Niedzielski, A.S. (59) 250)

In situ hybridization
HSP72; Hyperthermia; Cochlea; Immunoblotting; Immunocytochemistry; Guinea pig; Rat (Dechesne, C.J. (59) 195)

Intensity
Poststimulus time histogram; Click; Compound action potential; Convolution; Guinea Pig (Versnel, H. (59) 138)

Intensity DLs
Comparative; Frequency DLs; Gerbil; Monkey; Human (Sinnott, J.M. (59) 205)

Kanamycin
Hair cell regeneration; Ototoxicity; Budgerigar; Hearing loss (Hashino, E. (59) 46)

Labyrinthitis
Ageing; Auditory threshold; *Pasteurella pneumotropica*; Tetracycline (McGinn, M.D. (59) 1)

Lateralization
Precedence effect; Localization; Diffuseness/compactness; Binaural processing (Aoki, S. (59) 25)

Localization
Precedence effect; Lateralization; Diffuseness/compactness; Binaural processing (Aoki, S. (59) 25)

***lpr* gene**
Autoimmune disease; Mouse; Inner ear; Immunoglobulin G (Wong, M.L. (59) 93)

Masking
Critical bandwidth; Cochlea; Combination tones; Notched-noise (Greenwood, D.D. (59) 121)

Melanin
Aging; Presbyacusis; Cochlea; Albino (Keithley, E.M. (59) 171)

Methionine-enkephalin
Bat; *Rhinolophus ferrumequinn*; Immunohistochemistry (Tachibana, M. (59) 14)

Microtubules
Cilia; Development; Polarity; Transduction (Kelley, M.W. (59) 108)

Middle ear
Acoustic reflex; Stapedius muscle; Guinea pig; Rabbit; Cochlear microphonics; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Monkey
Comparative; Frequency DLs; Intensity DLs; Gerbil; Human (Sinnott, J.M. (59) 205)

Mouse
Autoimmune disease; Inner ear; Immunoglobulin G; *lpr* gene (Wong, M.L. (59) 93)

Muscarinic receptor
Cochlea; Efferents; Inositol; Outer hair cell; Second messengers (Niedzielski, A.S. (59) 250)

Noise
Endocochlear potential; Gross cochlear potentials; Guinea pig (Wang, J. (59) 31)

Noise trauma
Unit response; Single fibre; Guinea pig (Versnel, H. (59) 157)

Nonlinearity
Cochlea; Hair cell; Off-frequency listening; Two-tone suppression (Cheatham, M.A. (59) 39)

Normative values
Frequency-following response; Frequency function; Frequency contents; Brainstem evoked response (Hoormann, J. (59) 179)

Notched-noise
Critical bandwidth; Masking; Cochlea; Combination tones (Greenwood, D.D. (59) 121)

Nucleus mesencephalicus lateralis pars dorsalis
Auditory evoked potential; Auditory spike response; Enhancement; Suppression; Auditory nervous system; Pigeon (Nomoto, M. (59) 7)

Off-frequency listening
Cochlea; Hair cell; Nonlinearity; Two-tone suppression (Cheatham, M.A. (59) 39)

Organic acids
Stria vascularis; Electron microscopy; Furosemide; Ototoxicity; Endocochlear potential (Rybak, L.P. (59) 75)

Otoacoustic emissions
Cochlear model; Computer simulation (Fukazawa, T. (59) 17)

Ototoxicity
Hair cell regeneration; Kanamycin; Budgerigar; Hearing loss (Hashino, E. (59) 46)

Stria vascularis; Electron microscopy; Furosemide; Organic acids; Endocochlear potential (Rybak, L.P. (59) 75)

Outer hair cell
Cochlea; Efferents; Inositol; Muscarinic receptor; Second messengers (Niedzielski, A.S. (59) 250)

Pasteurella pneumotropica
Ageing; Auditory threshold; Labyrinthitis; Tetracycline (McGinn, M.D. (59) 1)

Perilymph
Inductively-coupled plasma atomic emission spectrometry; Cation (Hara, A. (59) 117)

Pigeon
Auditory evoked potential; Auditory spike response; Enhancement; Suppression; Nucleus mesencephalicus lateralis pars dorsalis; Auditory nervous system (Nomoto, M. (59) 7)

Pigmented rats
Albino rats; Auditory brainstem response; Brainstem auditory evoked potential; Stimulus frequency; Stimulus intensity; Strain differences (Overbeck, G.W. (59) 129)

Plasticity
Tonotopic maps; Reorganization; Cochlear nucleus (Kaltenbach, J.A. (59) 213)

Polarity
Cilia; Microtubules; Development; Transduction (Kelley, M.W. (59) 108)

Poststimulus time histogram
Intensity; Click; Compound action potential; Convolution; Guinea Pig (Versnel, H. (59) 138)

Precedence effect
Localization; Lateralization; Diffuseness/compactness; Binaural processing (Aoki, S. (59) 25)

Presbyacusis
Aging; Cochlea; Melanin; Albino (Keithley, E.M. (59) 171)

Psychophysics
Hearing; Goldfish; Analytic listening; Frequency analysis (Fay, R.R. (59) 101)

Rabbit
Middle ear; Acoustic reflex; Stapedius muscle; Guinea pig; Cochlear microphonics; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Rat
Endocochlear potential; Compound action potential; Cochlear development; Stria vascularis (Rybak, L.P. (59) 189)

HSP72; Hyperthermia; Cochlea; Immunoblotting; Immunocytochemistry; In situ hybridization; Guinea pig (Dechesne, C.J. (59) 195)

Reorganization
Tonotopic maps; Plasticity; Cochlear nucleus (Kaltenbach, J.A. (59) 213)

Rhinolophus ferrumequinn
Bat; Methionine-enkephalin; Immunohistochemistry (Tachibana, M. (59) 14)

Second messengers
Cochlea; Efferents; Inositol; Muscarinic receptor; Outer hair cell (Niedzielski, A.S. (59) 250)

Single fibre
Unit response; Noise trauma; Guinea pig (Versnel, H. (59) 157)

Spontaneous activity
Synaptic transmission; Inner hair cell (Siegel, J.H. (59) 85)

Stapedius muscle
Middle ear; Acoustic reflex; Guinea pig; Rabbit; Cochlear microphonics; Impedance audiometry; Electromyography (Avan, P. (59) 59)

Stiffness
Hair bundles; Avian; Water jet (Szymko, Y.M. (59) 241)

Stimulus frequency
Albino rats; Auditory brainstem response; Brainstem auditory evoked potential; Pigmented rats; Stimulus intensity; Strain differences (Overbeck, G.W. (59) 129)

Stimulus intensity
Albino rats; Auditory brainstem response; Brainstem auditory evoked potential; Pigmented rats; Stimulus frequency; Strain differences (Overbeck, G.W. (59) 129)

Strain differences
Albino rats; Auditory brainstem response; Brainstem auditory evoked potential; Pigmented rats; Stimulus frequency; Stimulus intensity (Overbeck, G.W. (59) 129)

Streptomycin
Vestibular system; Aminoglycoside; Hair cell; Inner ear; Glutamate receptor; Excitatory amino acid (Zucca, G. (59) 70)

Stria vascularis
Electron microscopy; Furosemide; Ototoxicity; Organic acids; Endocochlear potential (Rybak, L.P. (59) 75)

Endocochlear potential; Compound action potential; Cochlear development; Rat (Rybak, L.P. (59) 189)

Suppression
Auditory evoked potential; Auditory spike response; Enhancement; Nucleus mesencephalicus lateralis pars dorsalis; Auditory nervous system; Pigeon (Nomoto, M. (59) 7)

Synaptic transmission
Inner hair cell; Spontaneous activity (Siegel, J.H. (59) 85)

Tetracycline
Ageing; Auditory threshold; Labyrinthitis; *Pasteurella pneumotropica* (McGinn, M.D. (59) 1)

Tonotopic maps
Plasticity; Reorganization; Cochlear nucleus (Kaltenbach, J.A. (59) 213)

Transduction
Cilia; Microtubules; Development; Polarity (Kelley, M.W. (59) 108)

Two-tone suppression
Cochlea; Hair cell; Nonlinearity; Off-frequency listening (Cheatham, M.A. (59) 39)

Unit response
Noise trauma; Single fibre; Guinea pig (Versnel, H. (59) 157)

Vestibular system
Streptomycin; Aminoglycoside; Hair cell; Inner ear; Glutamate receptor; Excitatory amino acid (Zucca, G. (59) 70)

Water jet
Stiffness; Hair bundles; Avian (Szymko, Y.M. (59) 241)